

**Amendments to the Claims**

The listing of claims will replace all prior versions and listings of claims in the application:

**LISTING OF CLAIMS:**

1. (currently amended) An IR repeater system comprising:  
an IR detector for detecting an IR light signal and generating an electrical signal in response thereto;

a transmitter coupled to the IR detector for generating an output IR signal; and

a IR emitter electrically coupled to the transmitter for emitting an IR light signal, said IR emitter comprising an IR light source and a manually adjustable brightness control;

said IR emitter further including a connector plug for removably connecting the IR emitter to said transmitter, said connector plug having a housing; and

said manually adjustable brightness control including a variable resistor electrically coupled to the IR light source and received within said housing, the variable resistor having a rotatable shaft for adjusting the resistance of said variable resistor extending at least partially through an aperture in said housing.

2. (original) The IR repeater system of claim 1, wherein said IR light signal represents a coded signal modulated by a modulating signal and further comprising a receiver for receiving said coded signal.

3. (currently amended) The IR repeater system of claim ~~2~~ claim 1, wherein said IR light source is an LED.

4. (currently amended) The IR repeater system of ~~claim-3~~ claim 1, wherein said IR detector is located remotely with respect to said IR emitter.

5-8. (cancelled)

9. (currently amended) The IR repeater system of ~~claim-8~~ claim 1, wherein the connector plug comprises a 1/8-inch monaural plug.

10-11. (cancelled)

12. (currently amended) The IR repeater system of ~~claim-6~~ claim 1, wherein the variable resistor and the IR light source are connected in series.

13. (currently amended) The IR repeater system of ~~claim-6~~ claim 16, wherein the IR emitter comprises a pair of wire leads.

14. (currently amended) The IR repeater system of ~~claim-6~~ claim 1, wherein the IR light source comprises an LED mounted in a housing adapted to be attached directly over an IR detector of a device to be controlled.

15. (cancelled)

16. (currently amended) An The IR repeater system of ~~claim-15~~, comprising:

an IR detector for detecting an IR light signal and generating an electrical signal in response thereto;

a transmitter coupled to the IR detector for generating an output IR signal;

a IR emitter electrically coupled to the transmitter for emitting an IR light signal, said IR emitter comprising a housing, an IR light source, and a manually adjustable brightness control;

said manually adjustable brightness control including a variable resistor electrically coupled to the IR light source and contained within said housing; and

said wherein the housing comprises an aperture and the variable resistor comprises having a rotatable shaft for adjusting the resistance of the variable resistor extending at least partially through said an aperture in said housing.

17. (currently amended) The IR repeater system of claim 6 claim 16, wherein the said IR emitter light source is an LED, further comprises a housing and wherein the variable resistor is contained within said housing.

18. (currently amended) The IR repeater system of claim 47 claim 16, wherein the housing is adapted to be attached directly over an IR detector of a device to be controlled, comprises an aperture and the variable resistor comprises a rotatable shaft for adjusting the resistance of the variable resistor extending at least partially through said aperture.

19. (currently amended) In an IR repeater system of a type comprising an infrared receiver for receiving an incoming IR signal and an infrared transmitter for transmitting a substantial replica of the incoming IR signal, an IR emitter comprising:

comprising an IR light source and a manually adjustable brightness control including a housing and a variable resistor electrically coupled to the IR light source and received within said housing, the variable resistor having a rotatable shaft for adjusting the resistance of said variable resistor extending at least partially through an aperture in said housing.

20. (cancelled)